

U.S. Department of Energy Office of Scientific and Technical Information Strategic Plan: Decision-Support Tool

There are four sets of exercises in this tool, designed to obtain valuable input from Focus Group participants.

You will be evaluating this in your current role as a Federal or contractor employee, academician, or other member of the science knowledge community. Please provide answers only where you have adequate knowledge of the subject matter. If you are unable to complete the decision-support tool within the Focus Group timeframe, we will continue to take comments and suggestions until December 30th.

I. OSTI Is on a Mission

The Draft Strategic Plan includes introductory information to familiarize readers with the DOE Office of Scientific and Technical Information (OSTI) and what it does, including the mission, recent accomplishments, vision, and challenge. Please review and comment on our Vision and Challenge.

VISION	Please enter alternative suggestions or comments.
To enable global scientific discovery by making the web work better for science and technology.	
CHALLENGE	
To make the web work for science by bringing together the best science from all corners of the earth, making the science easily searchable, and persevering until all useful science is searchable, regardless of its media.	

Your responses to the following statements, based on the introductory sections of the Draft Strategic Plan (pages 5-14), will help us assess how well we communicate the mission we are on. Please indicate whether you feel the Strategic Plan justifies the following statements. Additional comments may be entered in the space provided below each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Unsure
The Strategic Plan sufficiently explains OSTI so that you have a general understanding of what OSTI does and why.	<input type="checkbox"/>				
Comments:					
OSTI seeks to ensure both access to DOE's R&D results and access to worldwide R&D results in order to help DOE and other researchers to advance science.	<input type="checkbox"/>				
Comments:					
By accelerating the sharing of knowledge, the advancement of science will be accelerated (the OSTI corollary).	<input type="checkbox"/>				
Comments:					

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	Strongly Agree	Agree	Disagree	Strongly Disagree	Unsure
It is significant that OSTI has achieved a number of Internet "firsts."	<input type="checkbox"/>				
Comments:					
The web should work better for science.	<input type="checkbox"/>				
Comments:					
Based on its record of achievement, OSTI is an exceptional government organization.	<input type="checkbox"/>				
Comments:					
The virtual integration/federation of STI resources is a worthy endeavor for OSTI.	<input type="checkbox"/>				
Comments:					
Contributing to global scientific discovery is a worthy endeavor for OSTI.	<input type="checkbox"/>				
Comments:					

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II. To make the web work better for science, we have identified the following nineteen gaps in web functionality or content. Filling these gaps is the driver behind our strategic goals. Please specify an Importance of High, Medium or Low for each gap. In the Priority Rank column, select a unique Priority Rank of 1-19 (1 as highest), so that no two items carry the same rank. Additional text regarding alternative suggestions or related programs may be entered in the corresponding column and/or at the end of this section.

Importance High Med Low	GAPS TO BE FILLED	Priority Rank	Please enter alternative suggestions or comment on specific programs that address this issue.
	Technology		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1. Great quantities of scientific and technical information (STI) are non-Googleable.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2. Precision search technology is outpaced by the volume of STI.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3. A new class of web tools to help researchers collaborate and access, analyze and manipulate data is needed.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	4. Applied research of the spread of knowledge is limited.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	5. Federated searching technology and interoperability is limited.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6. Internet connectivity, capacity, and reliability are inadequate.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	7. Technical global communications challenges exist (e.g., language barriers and format standards).	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8. The special challenge of sharing classified information via the web has not been met.	select	

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<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	9. Many R&D systems rely on outdated software and are paper based.	select	
Content			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	10. Stranded collections of DOE R&D results are not accessible.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	11. Non-textual forms of STI (audio, visual, image, numeric data, and illustrations) are not searchable and accessible.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	12. Hundreds of thousands of DOE technical reports have not been digitized.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	13. Science education resources are not searchable and accessible.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	14. Many global information sources remain inaccessible (information exchange agreements and search tools are absent).	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	15. Many developing countries are not engaged in information exchanges.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	16. Comprehensiveness and currency of weapons R&D information collection are lacking.	select	
Communications			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	17. University research programs are not equipped with knowledge of DOE STI resources.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	18. Public awareness of DOE and Office of Science researchers and their contributions is lacking.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	19. U.S. scientific achievements lack visibility.	select	

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Can you identify additional gaps that need to be filled to make the web work better for science? If so, please list here.

Other comments:

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III. Six Strategic Goals are presented in the Plan. Please specify an Importance of High, Medium or Low for each Goal. In the Priority Rank column, select a unique Priority Rank of 1-6 (1 as highest), so that no two items carry the same rank.

Importance High Med Low	GOALS	Priority Rank	If you have a program that addresses this, please describe.
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1. Accelerate the spread of scientific and technical knowledge.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2. Improve education with superior access to S&T knowledge.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3. Bring the world's science to American communities.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	4. Communicate Office of Science contributions to science.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	5. Contribute to national security.	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6. Support R&D project systems.	select	

Do you think any of these goals are not important? Why?

Can you suggest any additional goals, in particular ones based on the above *Gaps to be Filled*?

Other comments:

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IV. For each of the six goals, objectives have been identified. Please specify an Importance of High, Medium or Low for each Objective. In the Priority Rank column, select a unique Priority Rank of 1-14 (1 as highest), so that no two items carry the same rank.

Importance High Med Low	OBJECTIVES	Priority Rank	Do you have a program that addresses this?
	1. Accelerate spread of scientific & technical knowledge		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1.1 Increase Volume of Scientific Content Made Searchable on the Web	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1.2 Develop and Deploy Innovative Tools	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1.3 Develop and Enhance Information Infrastructure	select	
	2. Improve education with access to S&T knowledge		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2.1 Develop Access to World-Class Education Resources	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2.2 Increase Awareness by University Research Programs of DOE Information Resources	select	
	3. Bring the world's science to American communities		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3.1 Leverage International R&D Results	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3.2 Develop and Enhance Global Partnerships on Technical Challenges	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3.3 Engage G8 Developing Country Goals	select	
	4. Communicate DOE & SC contributions to science		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	4.1 Increase Understanding by Public and Stakeholders	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	4.2 Raise Visibility across Research Community	select	
	5. Contribute to national security		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	5.1 Provide Secure Access to Weapons & Classified Research Information	select	

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<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	5.2 Enhance Information Protection and Security Technologies	select	
6. Support R&D project systems			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6.1 Expand and Enhance R&D Project Data Access	select	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6.2 Improve Efficiency and Effectiveness of Field Work Proposal (FWP) Submission, Access and Analysis	select	

If you ranked any of these objectives as “low” value, please explain.

Do these objectives address all Gaps? If not, can you suggest additional objectives based on the *Gaps to be Filled*?

Additional Questions Relating to OSTI’s Strategic Plan:

Which activities identified in the Plan do you believe have the greatest potential for making the web work better for science?

Are you aware of other web tools or information sources that would be useful to OSTI? Please describe.

Other comments:

Which of the following BEST characterizes your current affiliation?

- U.S. Department of Energy (federal or contractor)
- U.S. Government other
- University
- International
- Private sector
- Other:

Name (optional):